

Application Serial No.: 09/718,803
Amendment dated: February 6, 2007
Response to Office Action dated June 6, 2007

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Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (canceled)

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (currently amended) ~~The~~ A method of ~~claim 1~~ forming a reversible peptide-receptor complex comprising;
providing an immobilized GHS-R receptor; and
contacting the receptor with an isolated peptide, wherein the receptor comprises residues 41 to 326 of SEQ ID NO:5, the peptide comprises residues 24 to 37 of SEQ ID NO:2;
and whereby the receptor binds the peptide.

Claim 5 (currently amended) The method of ~~claim 1~~ claim 4, wherein the receptor comprises residues 1 to 366 of SEQ ID NO:5.

Claim 6 (canceled)

Claim 7 (currently amended) A method of purifying cells comprising;
immobilizing a peptide comprising residues 24 to 37 of SEQ ID NO:2;
contacting the peptide with cells expressing a GHS-R receptor, wherein the receptor comprises residues 41 to 326 of SEQ ID NO:5 and whereby the peptide binds the receptor and forms a peptide-receptor complex;
dissociating the peptide-receptor complex, and
recovering the purified receptor-expressing cells.

Claim 8 (canceled)

Claim 9 (currently amended) The method of purifying cells according the claim 7, wherein the receptor comprises residues ~~41 to 326~~ 1 to 366 of SEQ ID NO:5.

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Claim 10 (previously presented) A method of purifying a peptide
comprising;

immobilizing cells expressing a receptor, wherein the receptor comprises
residues 41 to 326 of SEQ ID NO:5;

contacting the immobilized cells with solutions containing a peptide,
wherein the peptide comprises residues 24 to 37 of SEQ ID NO:2;

forming the peptide-receptor complex;

dissociating the peptide-receptor complex, and

recovering the purified peptide.

Claims 11-26 (canceled)